

References

- [1] Zhang H, Jiang Y, Wang B, Zhao Q, He S, Hao D. **Direction-changeable lumbar cage versus traditional lumbar cage for treating lumbar spondylolisthesis: A retrospective study.** *Medicine* (Baltimore) 2018 Feb;97(7):e9984. doi: 10.1097/MD.0000000000009984. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5839855> (PMC free full text)
- [2] Hermann PC, Webler M, Bornemann R, Jansen TR, Rommelspacher Y, Sander K, Roessler PP, Frey SP, Pflugmacher R. **Influence of smoking on spinal fusion after spondylodesis surgery A comparative clinical study.** *Technol Health Care* 2016 Sep 14;24(5):737-44. doi: 10.3233/THC-161164. <https://www.ncbi.nlm.nih.gov/pubmed/27129031>

Literature (Selection)

- Gorensek M, Jenko M, Kocjancic B, Dolinar D, Brulc U. **Towards the optimum spinal Fusion Device.** A clinical study. *Materials and technology* 52 (2018) 1, 99–102 doi:10.17222/mit.2017.197 <http://mit.imt.si/Revija/izvodi/mit181/gorensek.pdf>
- NICE **Lateral interbody fusion in the lumbar spine for al interbody fusion in the lumbar spine for low back pain low back pain.** Interventional procedures guidance Published: 22 February 2017 <https://www.nice.org.uk/guidance/ipg574/resources/lateral-interbody-fusion-in-the-lumbar-spine-for-low-back-pain-pdf-1899872108191429>
- Fernandez-Moure J, Moore CA, Kim K, Karim A, Smith K, Barbosa Z, et al. **Novel therapeutic strategies for degenerative disc disease: Review of cell biology and intervertebral disc cell therapy.** *SAGE Open Medicine*. 2018;6 doi 10.1177/2050312118761674 <https://journals.sagepub.com/doi/pdf/10.1177/2050312118761674>
- Choi WS, Kim JS, Hur JW, Seong JH. **Minimally invasive transforaminal lumbar interbody fusion using banana-shaped and straight cages: Radiological and clinical results from a prospective randomized clinical Trial.** *Neurosurgery*. 2018;82(3):289-97 doi: 10.1093/neuros/nyx212 <https://www.ncbi.nlm.nih.gov/pubmed/28499016>
- Wang H, Ma L, Yang D, Wang T, Liu S, Yang S, et al. **Incidence and risk factors of adjacent segment disease following posterior decompression and instrumented fusion for degenerative lumbar disorders.** *Medicine (United States)*. 2017;96(5) doi 10.1097/MD.0000000000006032 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5293472/pdf/medi-96-e6032.pdf>
- Duarte RM, Varanda P, Reis RL, Duarte ARC, Correia-Pinto J. **Biomaterials and Bioactive Agents in Spinal Fusion.** *Tissue Engineering - Part B: Reviews*. 2017;23(6):540-51 doi 10.1089/ten.teb.2017.0072 <https://www.liebertpub.com/doi/pdf/10.1089/ten.teb.2017.0072>
- Wheeler DL, Fredericks DC, Dryer RF, Bae HW. **Allogeneic mesenchymal precursor cells (MPCs) combined with an osteoconductive scaffold to promote lumbar interbody spine fusion in an ovine model.** *Spine Journal*. 2016;16(3):389-99 doi 10.1016/j.spinee.2015.08.019 [https://www.thespinejournalonline.com/article/S1529-9430\(15\)01229-2/fulltext](https://www.thespinejournalonline.com/article/S1529-9430(15)01229-2/fulltext)

Pelletier MH, Cordaro N, Punjabi VM, Waites M, Lau A, Walsh WR. **PEEK versus ti interbody fusion devices resultant fusion, bone apposition, initial and 26-week biomechanics.** Clinical spine surgery. 2016;29(4):E208-E14 doi 10.1097/BSD.0b013e31826851a4

https://journals.lww.com/jspinaldisorders/Abstract/2016/05000/PEEK_Versus_Ti_Interbody_Fusion_Devices_Resultant.15.aspx

Choi WS, Kim JS, Ryu KS, Hur JW, Seong JH. **Minimally Invasive Transforaminal Lumbar Interbody Fusion at L5-S1 through a Unilateral Approach: Technical Feasibility and Outcomes.** BioMed research international. 2016;2016 doi 10.1155/2016/2518394

<https://www.hindawi.com/journals/bmri/2016/2518394/>

Rickert M, Rauschmann M, Fleege C, Behrbalk E, Harms J. **Interbody fusion procedures. Development from a historical perspective.** Der Orthopäde. 2015;44(2):104-113 doi 10.1007/s00132-015-3076-1

<https://rd.springer.com/article/10.1007%2Fs00132-015-3076-1>

Chong E, Pelletier MH, Mobbs RJ, Walsh WR. **The design evolution of interbody cages in anterior cervical discectomy and fusion: A systematic review.** BMC Musculoskeletal Disorders. 2015:1-11 doi 10.1186/s12891-015-0546-x

<https://bmcmusculoskeletaldisord.biomedcentral.com/track/pdf/10.1186/s12891-015-0546-x>

Ohtori S, Orita S, Yamauchi K, Eguchi Y, Ochiai N, Kishida S, et al. **Mini-open anterior retroperitoneal lumbar interbody fusion: Oblique lateral interbody fusion for lumbar spinal degeneration disease.** Yonsei Medical Journal. 2015;56(4):1051-9 5. doi 10.3349/ymj.2015.56.4.1051

<https://synapse.koreamed.org/DOIx.php?id=10.3349/ymj.2015.56.4.1051>

Rao PJ, Pelletier MH, Walsh WR, Mobbs RJ. Spine interbody implants: material selection and modification, functionalization and bioactivation of surfaces to improve osseointegration. Orthopaedic surgery. 2014;6(2):81-9 doi 10.1111/os.12098

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/os.12098>

Nemoto O, Asazuma T, Yato Y, Imabayashi H, Yasuoka H, Fujikawa A. **Comparison of fusion rates following transforaminal lumbar interbody fusion using polyetheretherketone cages or titanium cages with transpedicular instrumentation.** European Spine Journal 2014 23:10 (2150-2155) doi 10.1007/s00568-014-3466-9

<https://www.ncbi.nlm.nih.gov/pubmed/25015180>